

# 5-022.05 SAN JOAQUIN VALLEY - CHOWCHILLA

## Basin Boundaries

### Summary

The Chowchilla groundwater subbasin of the greater San Joaquin groundwater is in northern Madera and southern Merced Counties. The subbasin is bound on the north by a variety of jurisdictional boundaries, the largest of which is the Merced-Madera county line. The eastern boundary follows PLS section lines. The southern boundary is a combination of PLS section lines and agency borders, the largest of which is the Chowchilla Water District. The western boundary is predominately formed by the San Joaquin River. The boundary is defined by the eighteen (18) segments detailed in the descriptions below.

### Segment Descriptions

| <u>Segment Label</u> | <u>Segment Type</u>            | <u>Description</u>   | <u>Ref</u> |
|----------------------|--------------------------------|--|------------|
| 1-2                  | <sup>E</sup><br>Country        | Starts from point (1) and follows the Merced/Madera County line to point (2).                    | {a}        |
| 2-3                  | <sup>I</sup><br>Water Agency   | Continues from point (2) and follows the Chowchilla Water District boundary to point (3).        | {b}        |
| 3-4                  | <sup>I</sup><br>Water Agency   | Continues from point (3) and follows the Le Grand-Athlone Water District boundary to point (4).  | {b}        |
| 4-5                  | <sup>I</sup><br>Stream         | Continues from point (4) and generally follows the Chowchilla River to point (5).                | {c}        |
| 5-6                  | <sup>I</sup><br>TRS            | Continues from point (5) and follows section lines south to point (6).                           | {d}        |
| 6-7                  | <sup>I</sup><br>TRS            | Continues from point (6) and follows section lines west to point (7).                            | {d}        |
| 7-8                  | <sup>I</sup><br>Transportation | Continues from point (7) and follows Santa Fe Drive to point (8).                                | {e}        |
| 8-9                  | <sup>I</sup><br>TRS            | Continues from point (8) and follows section line to point (9).                                  | {d}        |
| 9-10                 | <sup>I</sup><br>City or Town   | Continues from point (9) and follows the incorporated City of Chowchilla boundary to point (10). | {f}        |
| 10-11                | <sup>I</sup><br>TRS            | Continues from point (10) and follows section line to point (11).                                | {d}        |
| 11-12                | <sup>I</sup><br>Water Agency   | Continues from point (11) and follows Chowchilla Water District boundary to point (12).          | {b}        |
| 12-13                | <sup>I</sup><br>TRS            | Continues from point (12) and follows section lines to point (13).                               | {d}        |
| 13-14                | <sup>I</sup><br>TRS            | Continues from point (13) and follows section line to point (14).                                | {d}        |
| 14-15                | <sup>I</sup>                   | Continues from point (14) and follows the New Stone Water District                               | {b}        |

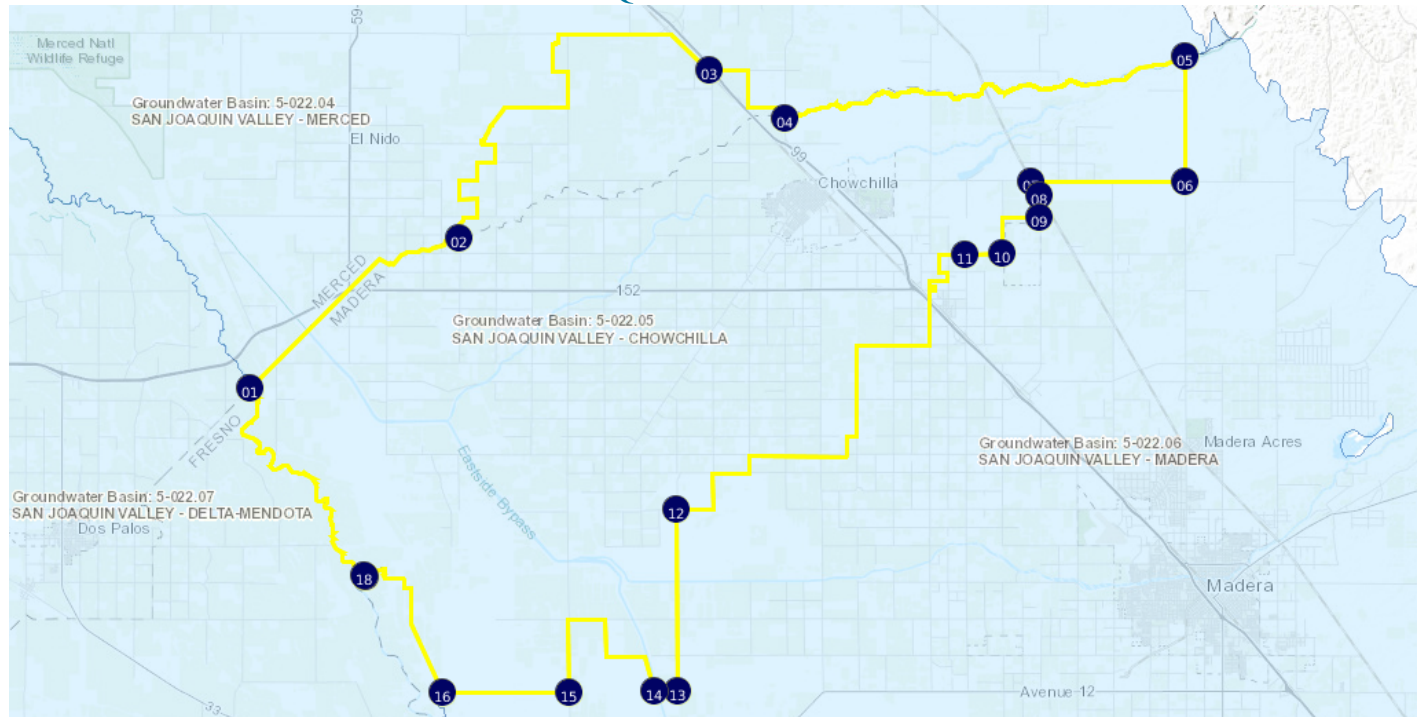
|       |                              |  |     |
|-------|------------------------------|--|-----|
|       | Water Agency                 | boundary to point (15).  |     |
| 15-16 | <sup>I</sup><br>TRS          | Continues from point (15) and follows township line to point (16).                   | {d} |
| 16-17 | <sup>I</sup><br>Water Agency | Continues from point (16) and follows Columbia Canal Company boundary to point (17). | {b} |
| 17-18 | <sup>I</sup><br>Unknown      | Continues from point (17) and follows straight line connects to point (18).          | {g} |
| 18-1  | <sup>I</sup><br>Stream       | Continues from point (18) and follows the San Joaquin River to end at point (01).    | {c} |

### *Significant Coordinates*

| <u>Point</u> | <u>Latitude</u> | <u>Longitude</u> |  |
|--------------|-----------------|------------------|--|
| 1            | 37.044489614    | -120.541670591   |  |
| 2            | 37.104574694    | -120.437314227   |  |
| 3            | 37.171035383    | -120.312100204   |  |
| 4            | 37.152128688    | -120.274392798   |  |
| 5            | 37.176874135    | -120.074839397   |  |
| 6            | 37.126767712    | -120.074493589   |  |
| 7            | 37.126989371    | -120.15152413    |  |
| 8            | 37.121303277    | -120.147219076   |  |
| 9            | 37.112440652    | -120.147218381   |  |
| 10           | 37.098402645    | -120.165777295   |  |
| 11           | 37.098157282    | -120.184120426   |  |
| 12           | 36.996515835    | -120.328417923   |  |
| 13           | 36.92395872     | -120.32762299    |  |
| 14           | 36.924100143    | -120.33978145    |  |
| 15           | 36.923740462    | -120.382406238   |  |
| 16           | 36.923416516    | -120.445176861   |  |
| 17           | 36.969833159    | -120.483824229   |  |
| 18           | 36.969970028    | -120.484417034   |  |

## Map

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<https://sgma.water.ca.gov/webgis/?appid=160718113212&subbasinid=5-022.05>

## References

| <b>Ref</b> | <b>Citation</b>  | <b>Pub Date</b> | <b>Global ID</b> |
|------------|--|-----------------|------------------|
| {a}        | California Department of Forestry and Fire Protection (Cal Fire), California Counties and Paired Dataset (cnty15_1).URL: <a href="http://frap.fire.ca.gov/data/frapgisdata-subset">http://frap.fire.ca.gov/data/frapgisdata-subset</a>   | 2/14/15         | 2                |
| {b}        | California Department of Water Resources (DWR), Water Agencies Dataset.URL: <a href="https://gis.water.ca.gov/app/bbat/">https://gis.water.ca.gov/app/bbat/</a>  | 2016            | 48               |
| {c}        | United States Geological Survey (USGS), National Hydrography Dataset, Flowline Dataset for California, note: Coordinated effort among the United States Department of Agriculture-Natural Resources Conservation Service (USDA-NRCS), the United States Geological Survey (USGS), and the Environmental Protection Agency (EPA).URL: <a href="http://nhd.usgs.gov/data.html">http://nhd.usgs.gov/data.html</a> | 2/1/2016        | 1                |
| {d}        | Bureau of Land Management (BLM) California State Office (CASO), Public Land Survey System (PLSS), .URL: <a href="http://www.geocommunicator.gov/GeoComm/lis_home/home/index.htm">http://www.geocommunicator.gov/GeoComm/lis_home/home/index.htm</a>  | 2016            | 41               |
| {e}        | Open Street Maps, Roads and Railroads data.URL: <a href="http://www.openstreetmap.org/">http://www.openstreetmap.org/</a>  | 9/9/16          | 47               |
| {f}        | California Department of Forestry and Fire Protection (Cal Fire), Incorporated Cities (INCORP16_1).URL: <a href="http://frap.fire.ca.gov/data/frapgisdata-sw-incorporated_download">http://frap.fire.ca.gov/data/frapgisdata-sw-incorporated_download</a>  | 6/22/16         | 52               |
| {g}        | Unknown/other/new  | varies          | 46               |

#### Footnotes

- I: Internal
- E: External